

XT, XR XT2/XR2 SERIES 240/340/440

Page 1 of 2

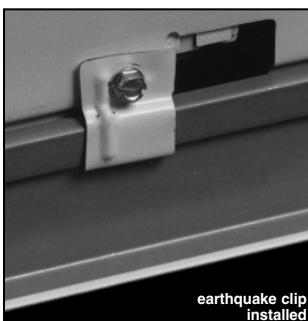
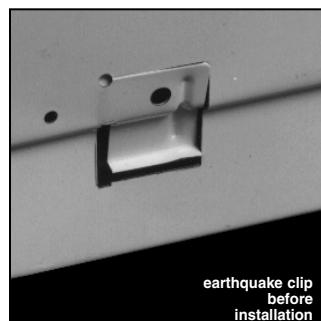
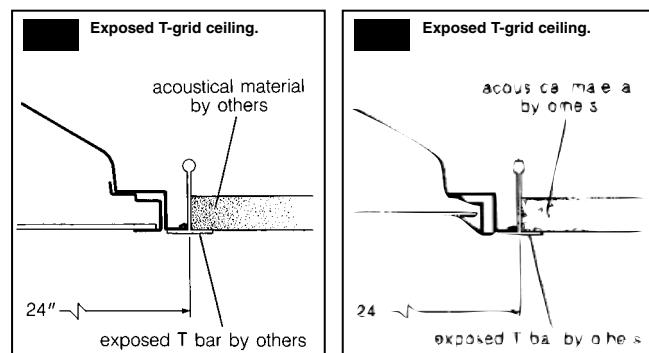
2'x4' LAY-IN RECESSED FLUORESCENT STATIC, FLAT STEEL LENS FRAME (XT)
REGRESSED ALUMINUM LENS FRAME (XR), 2, 3, 4 LAMPS, T8 OR T12

Features

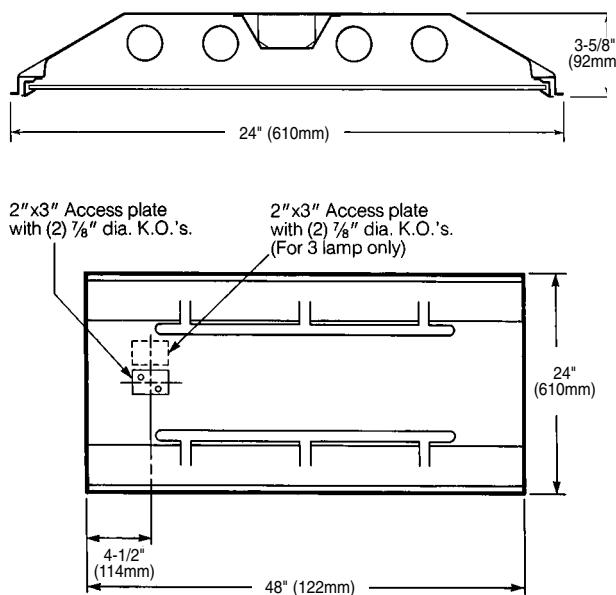
- Efficiency 80.9% (3 lamp T8).
- Fixture side rails have rolled-over edges for maximum safety.
- One piece body 3-5/8" deep.
- Ends of housing are formed inward for safer handling while installing troffer.
- Built-in earthquake clips (patent number 5,072,344).
- Flat steel full-size lens frame (XT).
- Regressed extruded aluminum lens frame (XR).
- Lens frame overlaps end of housing for positive mechanical light stop.
- Cam action latches.
- Flat steel lens frame with mitered corner detail is the same size as the ceiling opening for a clean uniform appearance.
- UL-Listed twin knockout access plate for easy closed lens frame wiring.



MOUNTING METHODS



DIMENSIONS



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte Thomas Company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

We reserve the right to change details of design, materials and finish.

© 2002 Genlyte Thomas Group LLC (Lightolier Division)

A0902

www.lightolier.com

SECTION 1A/Folio F50-11 REV. B



XT, XR XT2/XR2 SERIES 240/340/440

Page 2 of 2

2'x4' LAY-IN RECESSED FLUORESCENT STATIC, FLAT STEEL LENS FRAME (XT)
REGRESSED ALUMINUM LENS FRAME (XR), 2, 3, 4 LAMPS, T8 OR T12

PHOTOMETRY



TESTING
LABORATORY

45 Industrial Way
Williamsburg, VA 23187
(508) 657-7600

REPORT NO.: G83009 DATE: 01-21-1993
CATALOG NO.: XT2GVA340120SO
LAMP(S): 3 T82W T8, EACH RATED 2900 LUMENS
LUMINAIRE: 2x4 TROF 3-LITE W/FLT STL FRM
& PAT. #12 ACRYLIC LENS
BALLAST: TRIAD B30-20
VOLTS: 120 WATTS: 89 MEASURED

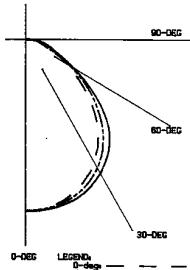
CANDLES DISTRIBUTION	FLUX
0 2779	2779
5 2765	2763
15 2880	2874
25 2442	2471
35 2248	2231
45 1588	1565
85 1031	1070
85 594	570
75 319	304
85 113	108
90 4	5
90 8	14
90 15	15

ZONAL LUMEN SUMMARY	LUMENS	%LAMP	%FXT
0 - 30	2192	25.2	31.1
40 - 60	3858	41.2	50.9
60 - 80	3868	41.6	54.8
80 - 90	7041	80.9	100.0
90 - 180	0	0.0	0.0
0 - 180	7041	80.9	100.0

TOTAL LUMINAIRE EFFICIENCY = 80.9 %
TOTAL REFLECTANCE OF PAINT = 90.0 %

CIE TYPE - DIRECT
PLANE ANGLE : 0-DEG 90-DEG
SPACING CRITERIA : 1.2 1.3
SHIELDING ANGLES : 0-90 0-90
LUMINOUS LENGTH : 45.750 21.750

LUMINANCE DATA IN FOOTLAMBERTS
ANGLE AVERAGE AVERAGE AVERAGE
IN DEG SPACING IN DEG 45-DEG 90-DEG
0 1263. 1263. 1263.
45 1027. 1128. 1249.
55 817. 927. 993.
65 639. 627. 704.
75 560. 469. 866.
85 589. 574. 751.



THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES • FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

MODEL NO. XT2GVA340120SO

coefficients of utilization — zonal cavity method

	RF	20			20			20		
	RC	80			50			30		
	RW	70	50	30	50	30	10	50	30	10
room cavity ratio	1	89	86	83	81	78	76	78	76	74
	2	82	76	72	72	68	65	70	67	64
	3	76	68	63	65	60	56	63	59	55
	4	70	61	55	58	53	49	56	52	48
	5	64	55	48	52	47	42	51	46	42
	6	59	49	43	47	41	37	46	41	37
	7	55	44	38	43	37	33	41	36	32
	8	51	40	33	38	33	28	37	32	28
	9	47	36	29	34	29	25	34	28	24
	10	43	33	26	31	26	22	31	25	22

visual comfort probability

room size	W	L	ceiling height				ceiling height			
			8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	64	68	75	82		61	65	72	79
20	30	57	61	66	73		54	58	63	69
20	40	54	57	62	66		49	53	58	62
20	60	51	54	57	61		46	49	52	57
30	20	65	69	74	80		63	67	72	78
30	30	58	61	65	70		55	59	62	68
30	40	54	57	60	64		50	53	57	60
30	60	50	53	55	59		46	49	51	55
30	80	49	51	52	55		44	46	48	51
40	20	66	70	75	79		65	69	73	78
40	30	59	63	66	70		57	60	64	68
40	40	55	57	60	63		51	54	57	61
40	60	51	53	55	58		47	49	51	54
40	80	49	51	51	54		44	47	48	51
40	100	49	50	50	52		43	45	45	48
60	30	60	63	66	70		58	62	65	69
60	40	55	58	60	63		53	56	58	61
60	60	51	53	55	58		48	50	51	55
60	80	49	51	51	54		45	47	47	50
60	100	49	50	49	51		44	45	45	48
100	40	58	60	62	65		56	59	61	64
100	60	54	55	56	59		51	53	54	57
100	80	51	52	52	55		48	49	49	52
100	100	50	51	50	52		46	47	46	48

ORDERING INFORMATION

Explanation of Catalog Number. Example: XT2GVA340120SOGLR

<input type="checkbox"/>	2	G	VA	<input type="checkbox"/>	40	<input type="checkbox"/>	VOLTAGE: 120 or 277	BALLAST TYPE: LE=Magnetic (T12) OC=Magnetic (T8) SS=Electronic (T12) S3=1-3 Lamp Elect. (T12) S0=Electronic Elect. (T8) O3=1-3 Lamp Elect. (T8) O4=1-4 Lamp Elect. (T8) DIM=Dimming (T12) PS=LOL Power Spec T8 Dimming Ballast	OPTIONS: Add appropriate suffix to catalog no., i.e. (GLR)
<input type="checkbox"/>	XR	G	VA	<input type="checkbox"/>	40	<input type="checkbox"/>	VOLTAGE: 120 or 277	BALLAST TYPE: LE=Magnetic (T12) OC=Magnetic (T8) SS=Electronic (T12) S3=1-3 Lamp Elect. (T12) S0=Electronic Elect. (T8) O3=1-3 Lamp Elect. (T8) O4=1-4 Lamp Elect. (T8) DIM=Dimming (T12) PS=LOL Power Spec T8 Dimming Ballast	OPTIONS: Add appropriate suffix to catalog no., i.e. (GLR)

OPTIONS & ACCESSORIES

SPECIAL LENSES: Substitute VB for .125" nominal pattern 12 with 7.8 oz. average weight per square foot. Substitute VI for .125" nominal pattern 12 with 6.9 oz. average weight per square foot.

ACCESS PLATES: Top wiring access plate is shipped with fixture as standard. When access plates are required in advance for wiring convenience, specify separately. Order Catalog Number: ACP CSP.

ELECTRICAL/WIRING OPTIONS: Consult factory.

FUSING: Internal fast-blow fusing. SUFFIX: GLR.
Internal slow-blow fusing. SUFFIX: GMF.

RADIO INTERFERENCE FILTER 120 or 277 volt, 50 or 60 Hz. One per fixture is standard. SUFFIX: RF.

SPECIFICATIONS

PERFORMANCE: In an installation of 4 lamp 40 W luminaires in a room cavity ratio of 1, with reflectance of 80% ceiling, 50% walls, 20% floor, the C.U. shall not be less than .78. To reduce glare the VCP shall be not less than 42 either lengthwise or crosswise (at 100 fc level) and the average brightness at 65 shall not exceed 718 footlamberts. To control veiling reflections, luminaire output in the 30°-90° zone shall be not less than 66%.

MATERIALS: **Chassis parts** are die-formed code gauge cold rolled steel.
Housing is embossed for added strength and rigidity with all edges rolled over

for safe handling. **Lens frames**—(XT) flat full-size steel frame, (XR) regressed full-size aluminum frame.

FINISH: **Chassis exterior**—white baked polyester enamel. **Cavity**—white baked polyester enamel minimum 86% reflectance. Phosphate undercoating.

LENS: Extruded virgin acrylic 3/16" square based female cones, running 45° to the panel edge, .095" nominal thickness (similar to pattern 12).

ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

LABELS: I.B.E.W. Listed by Underwriters Laboratories.

Job Information

Type:

Lightolier a Genlyte Thomas Company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

We reserve the right to change details of design, materials and finish.

© 2002 Genlyte Thomas Group LLC (Lightolier Division)

A0902

SECTION 1A/Folio F50-11 REV. B

